

Amendments to the Specification:

Please amend the Abstract as shown below:

Industrial equipment is monitored by at least one industrial controller assigned to each group of industrial equipment. ~~A plurality of queues is~~ Queues are established by logic within one of the industrial controllers for each group. Each queue holds a number of event records. Logic is established in each industrial controller for ~~detecting a predetermined event and for~~ storing an indication of a ~~the~~ detected event associated with a time stamp as an event record in a queue ~~associated with the predetermined event~~. A group computer is interconnected with each industrial controller in the group ~~through a data communication network~~. A scan rate is established for each queue in that group. Event records are ~~periodically~~ read from each queue based on the scan rate for that queue. The event records for all queues in a group are accumulated by the group computer and forwarded to a server. The group computer may dynamically set the scan rate and/or the queue length for each queue based on records read from the queue.

Please amend the paragraph beginning on page 6, at line 16 as shown below:

Each industrial controller 22 is assigned to one group, shown generally by 24. Each group 24 also include group computer 26. Group computer 26 and industrial controllers 22 within each group 24 are connected through data communication network 28. Data communication network 28 may be any suitable data network including serial connections, Ethernet, DATA HIGHWAY PLUS™, CONTROLNET™ ~~Data Highway Plus™, ControlNet™~~, SERCOS (IEC 61491), and the like. Group computer 26 is preferably a personal computer but may also be implemented with a PLC, high-end server, custom processor, network controller, and the like. Group computer 26 scans queues in interconnected industrial controllers 22 based on a scan rate established for each queue. Each scan returns event records held

within the scanned queue. The event records are accumulated within group computer
26.